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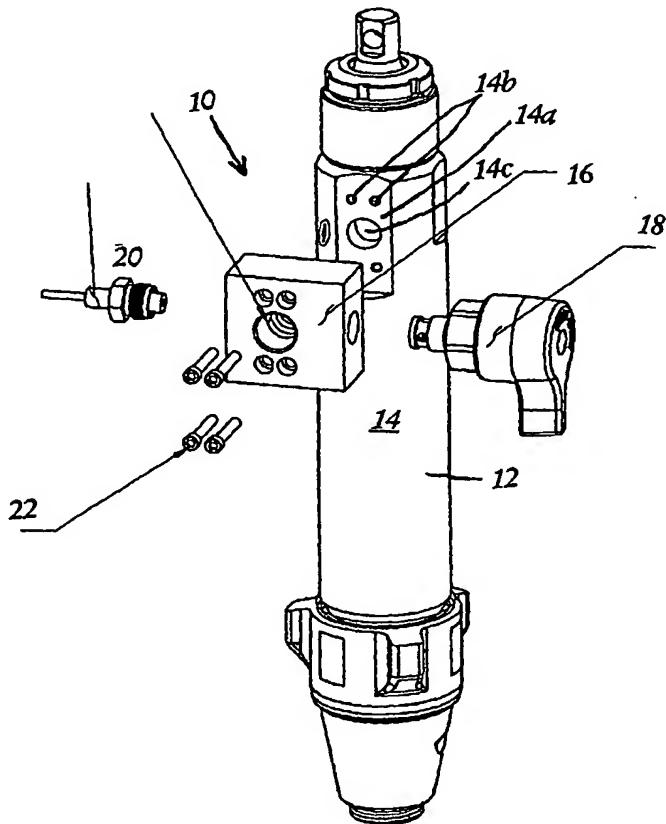
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60/369,950 5 April 2002 (05.04.2002) US(71) Applicant (*for all designated States except US*): **GRACO MINNESOTA INC. [US/US]; 60 11th Ave. N.E., Minneapolis, MN 55413 (US).**

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(54) Title: DIRECT CONNECTION MANIFOLD FOR RECIPROCATING PISTON PUMP



(57) **Abstract:** An airless sprayer utilizing a reciprocating piston pump (12) uses a block fluid manifold (16) attached directly to the pump cylinder (14) and which includes provisions for a pressure sensor (20), a dump or safety valve (18) and a hose outlet to minimize pressure drop which in turn maximizes spraying pressure as well as lessening the tendency to pack out.

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